

## EAST Search History

| Ref # | Hits | Search Query  | DBs  | Default Operator | Plurals | Time Stamp       |
|-------|------|---|--|------------------|---------|------------------|
| L1    | 596  | (348/345).CCLS.   | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR               | OFF     | 2007/03/05 11:07 |
| L2    | 202  | (348/349).CCLS.   | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR               | OFF     | 2007/03/05 11:07 |
| L3    | 334  | (348/352-356).CCLS.   | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR               | OFF     | 2007/03/05 11:07 |
| L5    | 692  | (250/208.2).CCLS.   | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR               | OFF     | 2007/03/05 11:08 |
| L6    | 2    | ("5257133").PN.   | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR               | OFF     | 2007/03/05 11:51 |
| L7    | 4    | ("4410804").PN.   | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR               | OFF     | 2007/03/05 11:08 |
| L8    | 52   | ("3248552"   "3387532"  <br>"3611899"   "3746454"  <br>"3852524"   "4185191"  <br>"4286286").PN. OR ("4410804").<br>URPN. | US-PGPUB;<br>USPAT;<br>USOCR   | OR               | ON      | 2007/03/05 11:09 |

## EAST Search History

|     |     |   |  |    |    |                  |
|-----|-----|---|--|----|----|------------------|
| L11 | 14  | gap NEAR2 array SAME camera   | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2007/03/05 11:55 |
| L15 | 0   | gap NEAR2 array AND ghost\$4<br>NEAR2 (effect OR affect)  | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2007/03/05 11:56 |
| L16 | 337 | array AND ghost\$4 NEAR2 (effect<br>OR affect)  | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2007/03/05 11:56 |
| L17 | 79  | array SAME ghost\$4 NEAR2 (effect<br>OR affect)   | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2007/03/05 11:56 |
| L18 | 14  | ("4410804"   "4425501"  <br>"4900914"   "5286605"  <br>"5466926"   "5519205"  <br>"5696371").PN. OR ("6057538").<br>URPN. | US-PGPUB;<br>USPAT;<br>USOCR   | OR | ON | 2007/03/05 11:58 |
| S1  | 2   | "20040125230"   | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2007/03/05 11:07 |
| S2  | 54  | "4410804"   | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2007/02/28 09:27 |

## EAST Search History

|     |      |   |  |    |     |                  |
|-----|------|---|--|----|-----|------------------|
| S3  | 52   | ("3248552"   "3387532"  <br>"3611899"   "3746454"  <br>"3852524"   "4185191"  <br>"4286286").PN. OR ("4410804").<br>URPN. | US-PGPUB;<br>USPAT;<br>USOCR   | OR | ON  | 2007/02/28 09:34 |
| S4  | 14   | ("4410804"   "4425501"  <br>"4900914"   "5286605"  <br>"5466926"   "5519205"  <br>"5696371").PN. OR ("6057538").<br>URPN. | US-PGPUB;<br>USPAT;<br>USOCR   | OR | ON  | 2007/02/28 11:03 |
| S5  | 1    | "20020121652"   | US-PGPUB;<br>USPAT;<br>USOCR   | OR | ON  | 2007/02/28 12:55 |
| S6  | 202  | (348/349).CCLS.   | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2007/02/28 12:55 |
| S7  | 4328 | optical NEAR2 element NEAR2<br>array  | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON  | 2007/02/28 12:55 |
| S8  | 70   | optical NEAR2 element NEAR2<br>array SAME pixel NEAR2 array   | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON  | 2007/02/28 12:56 |
| S9  | 21   | optical NEAR2 element NEAR2<br>array SAME pixel NEAR2 array<br>AND camera   | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON  | 2007/02/28 14:03 |
| S10 | 0    | optical NEAR2 element NEAR2<br>array SAME pixel NEAR2 array<br>SAME focus NEAR2 light                                     | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON  | 2007/02/28 14:03 |

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|     |     |   |  |    |    |                  |
|-----|-----|---|--|----|----|------------------|
| S11 | 0   | optical NEAR2 element NEAR2 array SAME pixel NEAR2 array SAME focus | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2007/02/28 14:04 |
| S12 | 306 | optical NEAR2 element NEAR2 array SAME focus                        | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2007/02/28 14:04 |
| S13 | 13  | optical NEAR2 element NEAR2 array SAME focus NEAR2 signal           | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2007/03/01 08:02 |
| S14 | 5   | "10240640"  | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2007/02/28 14:24 |
| S15 | 2   | optical NEAR2 element NEAR2 array SAME gap NEAR2 light              | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2007/02/28 14:59 |
| S16 | 88  | optical NEAR2 element NEAR2 array SAME gap                          | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2007/02/28 15:00 |
| S17 | 24  | optical NEAR2 element NEAR2 array WITH gap                          | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2007/03/01 13:22 |

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|     |     |  |  |    |    |                  |
|-----|-----|--|--|----|----|------------------|
| S18 | 85  | element NEAR2 array SAME focus<br>NEAR2 signal AND camera          | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2007/03/01 09:44 |
| S19 | 203 | element NEAR2 array SAME focus<br>NEAR2 signal                     | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2007/03/01 09:45 |
| S20 | 33  | element NEAR2 array SAME focus<br>NEAR2 operation                  | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2007/03/01 10:11 |
| S21 | 36  | optical NEAR2 element NEAR2<br>array SAME focus NEAR2<br>operation | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2007/03/01 10:27 |
| S22 | 13  | optical NEAR2 element NEAR2<br>array SAME focus NEAR2 signal       | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2007/03/01 10:17 |
| S23 | 306 | optical NEAR2 element NEAR2<br>array SAME focus                    | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2007/03/01 10:18 |
| S24 | 183 | optical NEAR2 element NEAR2<br>array WITH focus                    | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2007/03/01 10:18 |

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|     |       |  |  |    |    |                  |
|-----|-------|--|--|----|----|------------------|
| S25 | 71    | optical NEAR2 element WITH focus NEAR2 operation                               | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2007/03/01 14:39 |
| S26 | 11    | optical NEAR2 element WITH focus\$4 NEAR2 operation WITH focus\$4 NEAR2 signal | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2007/03/01 10:28 |
| S27 | 13591 | between NEAR2 (lens OR optical) NEAR2 element                                  | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2007/03/01 12:10 |
| S28 | 1591  | light NEAR2 between NEAR2 (lens OR optical) NEAR2 element                      | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2007/03/01 12:11 |
| S29 | 1263  | light NEAR2 between NEAR2 optical NEAR2 element                                | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2007/03/01 12:16 |
| S30 | 19    | light NEAR2 (pass OR passing) NEAR2 between NEAR2 optical NEAR2 element        | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2007/03/01 12:16 |
| S31 | 23    | light NEAR2 between NEAR2 optical NEAR2 element NEAR2 array                    | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2007/03/01 13:21 |

## EAST Search History

|     |         |  |  |    |    |                  |
|-----|---------|--|--|----|----|------------------|
| S32 | 14      | ("4410804"   "4425501"   "4900914"   "5286605"   "5466926"   "5519205"   "5696371").PN. OR ("6057538").URPN. | US-PGPUB;<br>USPAT;<br>USOCR   | OR | ON | 2007/03/01 12:38 |
| S33 | 52      | ("3248552"   "3387532"   "3611899"   "3746454"   "3852524"   "4185191"   "4286286").PN. OR ("4410804").URPN. | US-PGPUB;<br>USPAT;<br>USOCR   | OR | ON | 2007/03/01 12:46 |
| S34 | 0       | signal NEAR2 between NEAR2 optical NEAR2 element NEAR2 array   | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2007/03/01 13:21 |
| S35 | 5       | signal WITH between NEAR2 optical NEAR2 element NEAR2 array  | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2007/03/01 13:22 |
| S36 | 26      | optical NEAR2 element NEAR2 array WITH image NEAR2 signal  | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2007/03/01 13:39 |
| S37 | 4535885 | pixel WITH gost\$4 effect  | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2007/03/01 13:40 |
| S38 | 115     | pixel SAME ghost\$4 WITH effect  | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2007/03/01 13:40 |

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|     |     |  |  |    |    |                  |
|-----|-----|--|--|----|----|------------------|
| S39 | 45  | pixel WITH ghost\$4 WITH effect  | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2007/03/01 13:40 |
| S40 | 512 | (movable OR mov\$3) WITH<br>optical NEAR2 element WITH<br>array              | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2007/03/01 14:41 |
| S41 | 152 | (movable OR mov\$3) WITH<br>optical NEAR2 element NEAR2<br>array             | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2007/03/01 14:42 |
| S42 | 0   | (movable OR mov\$3) WITH<br>optical NEAR2 element NEAR2<br>array SAME camera | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2007/03/01 14:43 |
| S43 | 33  | (movable OR mov\$3) WITH<br>optical NEAR2 element NEAR2<br>array AND camera  | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2007/03/01 14:57 |
| S44 | 598 | (movable OR mov\$3) WITH<br>element NEAR2 array AND camera                   | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2007/03/01 14:58 |
| S45 | 6   | (movable OR mov\$3) WITH<br>element NEAR2 array WITH switch<br>AND camera    | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2007/03/01 15:17 |



## EAST Search History

|     |     |                                   |  |    |     |                  |
|-----|-----|-----------------------------------|--|----|-----|------------------|
| S46 | 279 | (348/360).CCLS.                   | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2007/03/02 06:33 |
| S47 | 812 | (348/335).CCLS.                   | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2007/03/01 15:18 |
| S48 | 596 | (348/345).CCLS.                   | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2007/03/01 15:19 |
| S49 | 202 | (348/349).CCLS.                   | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2007/03/01 15:19 |
| S50 | 279 | (348/360).CCLS.                   | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2007/03/02 06:33 |
| S51 | 162 | S50 AND (move OR slide)           | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON  | 2007/03/02 06:34 |
| S52 | 108 | S50 AND (move OR slide) WITH lens | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON  | 2007/03/02 07:17 |

## EAST Search History

|     |     |   |  |    |    |                  |
|-----|-----|---|--|----|----|------------------|
| S53 | 1   | S50 AND (move OR slide) WITH lens NEAR2 array                               | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2007/03/02 06:34 |
| S54 | 68  | (move OR slide) WITH optical NEAR2 (element OR lens) NEAR2 array            | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2007/03/02 07:47 |
| S55 | 145 | (move OR movable OR slide) WITH optical NEAR2 (element OR lens) NEAR2 array | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2007/03/02 07:48 |
| S56 | 416 | ((YASUO) near2 (SUDA)).INV.   | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2007/03/02 10:12 |
| S57 | 5   | S56 AND optical NEAR2 (element OR lens) NEAR2 array                         | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2007/03/02 10:13 |
| S58 | 2   | "20040090534"   | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2007/03/02 13:30 |
| S59 | 2   | "20040135915"   | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2007/03/02 13:30 |